

Work Order ID 85767***85767***

Page 1

Friday, June 15, 2012 7:37:47 AM

Item ID: D350-689-023

Accept

N9000040100Setup Start ***NS1***

Revision ID:

Item Name: Energy Attenuating Floor Provisions

Stop ***NS2***

Start Date: 6/15/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/19/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

MF

Date:

12-06-15

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

DSI 9588

A

IIN-D350-689

B

100

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D350-689-023 CHG004

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

1 *MF* *12-06-21*
for MJS 12-6-20
IX *SP* *12-6-19*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 85767

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85767

Page 2

Item ID: D350-689-023

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Energy Attenuating Floor Provisions

Stop ***NS2***Start Date: 6/15/2012 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 6/19/2012 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run Start *NR1*
	QC:	Date:	SPC (Y/N):	Date:	Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

12-06-21

130

Packaging

0.00

130

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D350-689-023

Location:

PPP Rev:

PPP 85764

12/15/21

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

12/16/22

MF 12-06-21

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Required Qty: 1.00

Comments: IPP Rev:A 08-12-23 new issue DD verified by:EC IPP Rev:B revise route seq DD
10.02.12 vrfied byJLM IPP Rev:C chg003 DD 11.09.28 verified by:JLM
IPP Rev:D 12.01.12 now @ CHG004 (ecn12-501) DD VRF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4575-1 Beam		Manufactured	No			110	Each	3.0000					
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST135F		3							
				79965		3							
D4575-3 Doubler		Manufactured	No			110	Each	5.0000					
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST197		5							
				79969		5							
D3027-7 Clip		Manufactured	No			110	Each	9.0000					
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST023		9							
				70582		9							
D3811-041 Seat Track Assembly		Manufactured	No			110	Each	2.0000					
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST262		2							
				73447		2							

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Friday, June 15, 2012 7:37:46 AM

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Work Order ID: 85767

Parent Item: D350-689-023

Parent Item Name: Energy Attenuating Floor Provisions

Start Date: 6/15/2012

Required Date: 6/19/2012

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Nut

Purchased No

110 Each 1,748.0000

9

9

Location

Loc Qty

Loc Code

ST300

1748

115835

4

117885

32

119017

816

119075

138

121349

23

121444

735

MS24694-S50

Screw

Purchased No

110 Each 100.0000

9

9

Location

Loc Qty

Loc Code

ST289

13

116900

1

118078

1

119124

11

ST289A

87

121166

87

NAS1149D0363J

Washer

Purchased No

110 Each 1,618.0000

9

9

Location

Loc Qty

Loc Code

ST298

1618

116025

2

117601

61

118612

3

119537

33

120142

13

120308

17

120644

86

121243

342

121524

1061

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

4. WEIGHT AND BALANCE

The following weight and balance information is for the Dart Dual High Back Seat Installation. The weight and balance of the parts that are removed from the aircraft to perform this installation are the responsibility of the installer.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-689-011 Dual High Back Seat Installation, Fwd Position	27.6 lb 12.5 kg	-18.2 in -0.46 m	-502 in-lb -5.8 m-kg	60.7 in 1.54 m	1675 in-lb 19.3 m-kg
D350-689-013 Floor Provisions Kit, Fwd Position	2.0 lb 0.9 kg	-18.2 in -0.46 m	-36 in-lb -0.4 m-kg	60.7 in 1.54 m	121 in-lb 1.4 m-kg
D350-689-011 Dual High Back Seat Installation, Aft Position	28.1 lb 12.7 kg	-18.2 in -0.46 m	-511 in-lb -5.8 m-kg	63.7 in 1.62 m	1790 in-lb 20.57 m-kg
D350-689-013 Floor Provisions Kit, Aft Position	3.1 lb 1.4 kg	-18.2 in -0.46 m	-56 in-lb -0.6 m-kg	62.2 in 1.58 m	193 in-lb 2.2 m-kg
D350-689-015 Seat Modification Kit	1.0 lb 0.5 kg	-17.2 in -0.44 m	-17 in-lb -0.22 m-kg	60.7 in 1.54 m	61 in-lb 0.77 m-kg
D350-689-017 Shoulder Harness, Fwd Position	4.4 lb 2.00 kg	-18.2 in -0.46 m	-80.1 in-lb -0.92 m-kg	60.7 in 1.54 m	267 in-lb 3.08 m-kg
D350-689-017 Shoulder Harness, Aft Position	4.4 lb 2.00 kg	-18.2 in -0.46 m	-80.1 in-lb -0.92 m-kg	64.7 in 1.64 m	285 in-lb 3.28 m-kg
D350-689-019 Control Guard, Fwd Position	0.5 lb 0.23 kg	-9.0 in -0.23 m	-4.5 in-lb -0.05 m-kg	60.7 in 1.54 m	30 in-lb 0.35 m-kg
D350-689-019 Control Guard, Aft Position	0.5 lb 0.23 kg	-9.0 in -0.23 m	-4.5 in-lb -0.05 m-kg	64.7 in 1.64 m	32 in-lb 0.38 m-kg
D350-689-021 Dual High Seat Back Installation, LH Fwd Position	29.2 lb 13.2 kg	-18.2 in -0.46 m	-531 in-lb -6.1 m-kg	60.7 in 1.54 m	1772 in-lb 20.3 m-kg
D350-689-021 Dual High Seat Back Installation, LH Aft Position	29.2 lb 13.2 kg	-18.2 in -0.46 m	-531 in-lb -6.1 m-kg	64.7 in 1.64 m	1889 in-lb 21.6 m-kg
D350-689-023 Energy Attenuating Floor Provisions Kit	2.5 lb 1.1 kg	-18.2 in -0.46 m	-46 in-lb -0.5 m-kg	62.2 in 1.58 m	156 in-lb 1.7 m-kg

5. PARTS LIST

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X						1			D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	X					1			D350-689-013	FLOOR PROVISIONS KIT
		X				1			D350-689-015	SEAT MODIFICATION KIT
			X			1			D350-689-017	SHOULDER HARNESS KIT
				X		1			D350-689-019	CONTROL GUARD KIT
					X	1			D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
					1	1			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1						1	X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
					1	1		X	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
						1				
						1	2	2	D3016-041	SEAT FRAME ASSEMBLY
						1	1	1	D3017-041	BACK FRAME ASSEMBLY
1					1	1			D3018-1	SEAT CUSHION
1					1	1			D3019-1	BACK CUSHION
						1	1		D3021-041	TUBE ASSEMBLY
						1	1		D3022-1	SEAT PAN
						1	1		D3023-1	BACK PANEL
							3	3	D3024-1	SPACER
	1								D3025-1	BEAM

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Revision: B

Date: 11.07.22

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
	1					1			D3026-1	CHANNEL
	1								D3027-1	CLIP
	1								D3027-3	CLIP
	1								D3027-5	CLIP
	4					4			D3027-7	CLIP
							4		D3028-1	STUD
		2					2		D3029-1	SPRING
		2					2		D3030-1	LOCK
							2	2	D3031-1	LOOP
	1								D3032-1	SPACER
	2	1							D3033-1	SEAT TRACK
		4							D3059-1	STUD
		4							D3060-1	BUSHING
		4							D3061-1	RADIUS BLOCK
				1					D3084-3	STRUT
	1								D3234-1	DOUBLER
	1					1			D3234-3	DOUBLER
	2								D3234-5	SPACER
								2	D3808-041	SEAT RAIL ASSEMBLY
								4	D3809-1	SLIDING BLOCK
						1			D3811-041	SEAT TRACK ASSEMBLY
			2						D4071-041	SHOULDER HARDNESS ASSY
							3	3	AN3-12A	BOLT
				1					AN4-12A	BOLT
				1					AN4-20A	BOLT
			2						AN5-4A	BOLT
							40	40	MS20600AD4W2	RIVET
							6	6	MS20600AD4W3	RIVET
						9	17	17	MS21042L3	NUT (OR MS21042-3)
				2			6	6	MS21042L4	NUT (OR MS21042-4)
		4	2						MS21042L5	NUT (OR MS21042-5)
12	4								MS21059L3	NUTPLATE
							4	4	MS24693-S272	SCREW
2	1								MS24693-S273	SCREW
								8	MS24694-S3	SCREW
						9			MS24694-S50	SCREW
							4		MS24694-S148	SCREW
6	3								MS27039-1-10	SCREW
							4	4	MS27039-1-17	SCREW
							6	6	MS27039-1-19	SCREW
							6	6	MS27039-4-21	SCREW
6	3						17	17	NAS1149D0332J	WASHER (OR AN960JD10L)
						9			NAS1149D0363J	WASHER (OR AN960JD10)
				8					NAS1149D0416J	WASHER (OR AN960JD416L)
							6	6	NAS1149D0432J	WASHER (OR AN960JD416)
			4						NAS1149D0516J	WASHER (OR AN960JD516L)
	4								NAS1149D0563J	WASHER (OR AN960JD516)
				2					NAS43DD4-46N	SPACER

4.0 PARTS LIST CHANGE

The parts list of D350-689-021/-023 at CHG 005/004 or later is amended as follows:

5. PARTS LIST (IIN-D350-689)

25.10 PARTS LIST (ICA-D350-689)

IS:

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X									D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	X								D350-689-013	FLOOR PROVISIONS KIT
		X							D350-689-015	SEAT MODIFICATION KIT
			X						D350-689-017	SHOULDER HARNESS KIT
				X					D350-689-019	CONTROL GUARD KIT
					X				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
					1	X			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1							X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
					1			X	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
	1								D3026-1	CHANNEL (REMOVED FROM -023)
	1								D3234-3	DOUBLER (REMOVED FROM -023)
						1			D4575-1	BEAM (REPLACES D3026-1 IN -023)
						1			D4575-3	DOUBLER (NEW IN -023)

WAS:






Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X									D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	X								D350-689-013	FLOOR PROVISIONS KIT
		X							D350-689-015	SEAT MODIFICATION KIT
			X						D350-689-017	SHOULDER HARNESS KIT
				X					D350-689-019	CONTROL GUARD KIT
					X				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
					1	X			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1							X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
					1			X	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
	1					1			D3026-1	CHANNEL
	1					1			D3234-3	DOUBLER

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 11.12.23
CERT. NO.: SH02-33
ISSUE NO.: 1

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9588	SHEET 4 OF 4
APPROVED		TITLE	SCALE
DE APPR.		INSTALLATION CHANGE	NTS
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